

CLAIMS

1. A connector for detachably securing a wiper blade to a wiper arm comprising:

5 a base member adapted to be attached to the wiper blade;

a locking member; and

a flexible connecting member for connecting said locking member to the base member,

10 said wiper arm including a side pin,

said base member including a portion for receiving said side pin,

15 said locking member being operatively associated with said base member to hold said side pin received within said portion of said base member.

2. The connector according to claim 1 wherein the base member is configured to fit into a hook portion of a wiper arm of the hook type, the wiper blade being secured to the wiper arm of the hook type when the base member fits into 20 the hook portion of the wiper arm.

3. The connector according to claim 2 further comprising side plates arranged to be held in surface contact with the wiper blade so as to restrict vibrations between the wiper blade and the wiper arm.

25 4. The connector according to any one of claims 1 to 3 wherein the wiper blade includes a pivot pin extending in a direction perpendicular to the longitudinal direction of the wiper blade, the base member having a joint portion

adapted to be rotatably mounted to the pivot pin.

5. The connector according to any one of claims 1 to 3 wherein said portion of said base member includes an arcuate recess.

5 6. The connector according to claim 5 wherein the locking member is designed to move toward the recess, the locking member including a portion designed to be fittingly attached to at least one of the wiper blade and the base member.

10 7. The connector according to claim 6 wherein the wiper blade includes a pivot pin for mounting the base member, said portion of the locking member designed to fit to the pivot pin.

8. The connector according to any one of claims 1 to 7 wherein the base member, the locking member and the connecting member are formed as a one-piece member.

9. A wiper blade assembly comprising the connector according to any one of claims 1 to 8.

10. A wiper blade assembly comprising the connector according to claim 1 or claim 2 wherein the wiper blade comprises an opening formed on a side of the wiper blade, the opening configured to receiving the side pin of the wiper arm.

11. The wiper blade assembly according to claim 10 wherein the wiper blade further includes a pivot pin extending in a direction perpendicular to the longitudinal direction of the wiper blade, the connector being mounted to the pivot pin, the connector designed to rotate about

the pivot pin so that said portion of the base member receives the side pin.

12. The wiper blade assembly according to claim 11 wherein said opening is disposed on an opposite side of the
5 wiper arm with respect to the pivot pin.